



10-96

PART # FK1027-3

INSTALLATION INSTRUCTIONS

1986-1994 ASTRO\SAFARI VAN REAR AXLE FLIP KIT WITH COMPOSITE REAR LEAF SPRINGS ONLY!!

Please take the time to read these **INSTALLATION INSTRUCTIONS** and check the **Hardware Parts List** to be sure you have all the listed parts, and the tools necessary to safely complete the installation! Please read the warranty information (blue page enclosed). Complete your Product Warranty Card and mail it to DJM Suspension.

Please take a few minutes to fill out your installation helper (back side of warranty). Accurate measurements **BEFORE BEGINNING INSTALLATION** will show any irregularities from side to side of your vehicle.

NEVER WORK UNDER TRUCK SUPPORTED BY A JACK ONLY !!!
USE QUALITY JACK STANDS WHICH HAVE A RATING ADEQUATE FOR YOUR TRUCKS WEIGHT!!!

NEW SHOCKS DJM PART #ARS01 ARE REQUIRED. FACTORY SHOCKS WILL BE TOO LONG.

Hardware Parts List:

Rear Axle Kit

- 2- Axle Locator Brackets**
- 2- Spring Plates (5 Hole)**
- 2- 1\2" x 20 U-Bolts**
- 4- 1\2" x 13 x 2" Bolts**
- 4- 1\2" x 13 Nylock Nuts**
- 4- 1\2" x 20 Nylock Nuts**
- 8- 1\2" SAE Flat Washers**

Spring Hanger Kit

- 4- Spring Eye Lowering Plates (4 Hole)**
- 4- .62" x 4.8" Spacer Tubes**
- 4- 9\16" x 12 x 6.5" Bolts**
- 4- 9\16" x 12 Nylock Nuts**
- 8- 9\16" SAE Flat Washers**

Shackle Kit

- 2- Spring Shackles w\bushings**

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Part #FK1027-3 cont.

- 1) Park your van on flat level surface. Chock the front wheels. Loosen lug nuts. Raise the rear with a floor jack in the center of the rear axle. Support the frame with jack stands. Lower axle to release the tension on the rear springs. Make sure axle is supported by floor jack .
NOTE : ALWAYS USE JACK STANDS - NEVER RELY ON JACKS ONLY!!
- 2) After removing rear wheels, remove U-bolts and hardware attaching the rear axle to the leaf springs.
- 3) Remove the ground cable from the battery. Loosen the screw clamp on the fill tube going into gas tank. Disconnect the gas tank by loosening the mounting straps and removing the screws attaching the filler tube to the body. The tank must be moved towards the center of the vehicle to remove the spring eye mounting bolts. (drivers side).
CAUTION - BE EXTRA CAREFUL WITH GAS TANK. NO SMOKING. WORK IN WELL VENTALATED AREA.
- 4) Remove the two bolts holding front spring eyes to mount. These bolts will be reused when you reassemble the spring to mount.
- 5) Remove the bottom bolts on the rear shackles. Lower floor jack slightly so the rear spring eye will slide out of the shackle. Remove the upper bolts from the shackles, and remove the shackles from the van. Save the hardware, you will need them to install your new DJM shackles.
- 6) Remove the two bolts from each spring eye hanger. Install the front spring plate (4 hole) in factory holes, using the 9/16" x 6 1/2" bolts and long spacer tubes provided. Slide the spacer tubes between the spring plates. **Note - snug these bolts only, you will tighten later.**
- 7) Remove the rear axle mounting brackets from the rear axle. DO NOT modify or remove the rubber isolators bonded to the rear leaf springs.
- 8) Slide the rear springs under the rear axle, you will need to raise the axle housing.
- 9) Install the front spring eye hanger between the eye hanger plates using original hardware. Attach front spring eye to hanger with factory bolts.
- 10) Install your new DJM shackle to the frame using original hardware, bushing end up. Lift the spring into the bottom portion of the new shackles an insert factory bolts. **Note - snug these bolts only, you will tighten later.**
- 11) Install axle locators on top of the rubber isolators on rear spring. **Note - the rubber ribs will fit into the recess of the axle locator brackets.**
- 12) Lower the rear axle assembly into place on top of the axle locator being careful the steel brake lines are clear. The axle locator brackets vertical tabs should rest in the bracket welded to the axle. **Note - be sure the vertical tabs are seated inside the axle bracket.**

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Part # FK1027-3 cont.

- 13)** Install your new U-bolts over the axle and through the new axle locator brackets. Place the new spring retainer plate (5 hole) under the spring , the U-bolt will go through holes in plate and secure with ½" x 20 nuts (DO NOT TIGHTEN). Insert 9/16"X 1.625" spacer tubes between factory axle bracket and DJM axle locators and install ½" x 3.5" bolts through the axle support bracket, spacer and spring plate and secure with ½" x 13 nuts. (DO NOT TIGHTEN).
- 14)** Lower the floor jack completely so the axle assembly is in it's correct position. Re-check the axle Location, be sure the brake line clearance is sufficient.
- 15)** If you are satisfied with the installation and step 14 is complete, tighten all nuts and bolts at the spring hanger, spring shackle, and axle locator brackets. **Now double check! Don't miss any!**
- 16)** Reinstall the gas tank straps, screws for filler tube and battery ground. Install and torque wheel lug nuts and your ready to roll. **After a few hundred miles, check all the bolts to be sure they are tightened properly.**

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